

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: SORKIN, Felix L.

SERIAL NO.: 10/688,186

ART UNIT: 3635

FILED: October 20, 2003

EXAMINER: Bergeron, R. C.

TITLE: INTERSECTIONAL REINFORCING BAR SUPPORT WITH C-SHAPED CLAMPS

Amendment B: CLAIM AMENDMENTS

Claims 1 - 20 (canceled). These claims were canceled by an earlier amendment.

Claims 21 - 35 (canceled). These claims are canceled by the present amendment.

36. (new) A concrete reinforcing bar support comprising:

a base;

a support structure extending upwardly from said base, said support structure having a channel formed in an upper surface thereof, said channel extending in a direction having a size suitable for receiving a first rebar therein;

a first clamping structure fixed to said support structure on one side of said channel, said first clamping structure having an interior suitable for receiving a second rebar therein extending in a direction transverse to the first rebar; and

a second clamping structure affixed to said support structure on an opposite side of said channel, said second clamping structure having an interior surface suitable for receiving the second rebar therein, said second clamping structure being in spaced parallel relationship to said first clamping structure, each of said first and second clamping structures having a generally C-shaped configuration, said support structure comprising:

a first leg extending upwardly from one side of said base;

a second leg extending upwardly from an opposite side of said base;

a third leg extending upwardly from said base between said first and second legs, said first and second legs extending at an acute angle upwardly from said base, said third leg extending upwardly vertically from said base, said base having a flaired ends extending upwardly exterior of said first and second legs;

a first gusset affixed to said base and joined to an exterior surface of a bottom of said first leg; and

a second gusset affixed to said base and joined to an exterior surface of a bottom of said second leg.

37. (new) The bar support of Claim 36, said base and said support structure and said first clamping structure and said second clamping structure being integrally formed together of nylon material.

38. (new) The bar support of Claim 36, said support structure having a plurality of holes formed therein so as to allow concrete to flow freely therethrough.

39. (new) An apparatus comprising:

a base;

a support structure extending upwardly from said base, said support structure having a channel formed in an upper surface thereof;

a first clamping structure affixed to said support structure on one side of said channel;

a second clamping structure affixed to said support structure on an opposite side of said channel and arranged in generally spaced parallel relationship to said first clamping structure, each of said first and second clamping structures having a generally C-shaped configuration;

a first rebar extending in a direction and received in said channel of said support structure; and

a second rebar retained by said first and second clamping structures in a position transverse to said first rebar and above said first rebar, said first and second clamping structures having an upper surface directly overlying a top of said second rebar, said base and said support structure and said first clamping structure and said second clamping structure being integrally formed together of a polymeric material, said support structure comprising:

a first leg extending upwardly from one side of said base;

a second leg extending upwardly from an opposite side of said base; and

a third leg extending upwardly from said base between said first and second legs, said first and second legs extending at an acute angle upwardly from said base, said third leg extending upwardly vertically from said base so as to be positioned generally equidistant between said first and second legs.

40. (new) The apparatus of Claim 39, each of said first and second clamping structures comprising:

a generally C-shaped member extending flexibly upwardly from said support structure; and

an arm extending upwardly from a bottom of said generally C-shaped member, said arm having an upper portion in spaced relationship to a top of said generally C-shaped member.

41. (new) The apparatus of Claim 40, said arm having a lip at said upper portion, said lip extending in a direction away from said top of said C-shaped member, said upper portion of said arm being spaced from said top of said C-shaped member by a distance less than a diameter of the

second rebar, said arm being flexibly connected to said bottom of said C-shaped member.

42. The apparatus of Claim 39, said first clamping structure having a rib formed therewith and extending outwardly of an exterior of said first clamping structure, said second clamping structure having a rib formed therewith and extending outwardly of an exterior of said second clamping structure, said rib of first clamping structure formed on a surface of said first clamping structure adjacent said channel, said rib of said second clamping structure formed on a surface of said second clamping structure adjacent said channel.